

**Amendments to the Specification:**

Please replace the paragraph starting on page 12, line 12 with the following rewritten paragraph:

-- Unexpectedly, a much-preferred solution has now been discovered to optimize this fuel cell link that has been overlooked and not exploited previously. It involves using elevated steam feed and CO<sub>2</sub> simultaneously with complex waste streams that have higher carbon/hydrogen ratios than simpler compounds such as methane. This approach appears to be contrary to conventional wisdom and practice, which suggests that to achieve higher ~~hydrogen concentrations~~ syngas production at high temperature, the worst option is to increase the carbon content of the feed. However, this simplistic logic has been found to be very wrong.--